

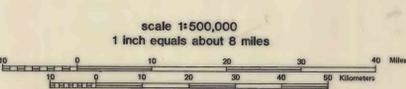


United States portion of base map is from U.S. Geological Survey topographic maps, Arizona and California, scale 1:500,000. Mexico portion of base map is a reduced tracing from U.S. Dept. Defense/CENTRAL, Joint Operations Graphic maps, scale 1:250,000.



EXPLANATION

- QUATERNARY BASALT: 0 to about 1.8 myBP.
- PLIOCENE BASALT: 1.8 my to 5 myBP. The youngest and oldest of these basaltic sequences may span the Pleistocene and (or) Miocene Epoch boundaries but the great majority of flows are in the 2 to 4 my age range.
- LOWERMOST PLIOCENE AND UPPERMOST MIOCENE BASALT: about 4.5 M my to to 6 or 7 myBP.
- UPPER MIOCENE BASALTS ALONG THE MOGOLLON RIM: ≥ 7 myBP.
- FAULTS ACTIVE DURING PRESENT TECTONIC REGIME: ball and bar symbol denotes downdropped block, arrows indicate relative horizontal separation, dotted where inferred or concealed below alluvium, ladder symbol denotes closely spaced graben-bounding faults.
- NEOTECTONIC PROVINCE BOUNDARIES: area between lines is transitional and cannot be included, confidently, in either of the adjacent provinces.



REGIONAL NEOTECTONIC ANALYSIS OF THE SONORAN DESERT

By
Bruce A. Schell and Kenneth L. Wilson
Principal Investigators

with contributions by
Gary E. Christenson and Steve L. Scott

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